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INFORMATION FROM FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT

CD NO.

COUNTRY	China	DATE OF INFORMATION	1951
SUBJECT	Scientific - High-vacuum tubes	DATE DIST.	// Jul 1951
HOW PUBLISHED	Daily newspaper		
WHERE PUBLISHED	Shanghai	NO. OF PAGES	1
DATE PUBLISHED	2 Mar 1951	SUPPLEMENT TO REPORT NO.	
LANGUAGE	Chinese		

THIS IS UNEVALUATED INFORMATION

SOURCE Wen-hui Pao.

SUCCEEDS IN MAKING HIGH-VACUUM TUBES

/Numbers in parentheses refer to appended characters/

Shanghai -- Fang Chun-hsin (1), an instructor at Communications University (Chiao-t'ung Ta-hsueh) (2), Shanghai, has succeeded, after 8 months of study and experiments, in producing not only efficient X-ray tubes, but also high-vacuum electronic tubes. The measure of the vacuum is expressed as 5×10^{-7} mm/Hg, or 1/2 of one-millionth millimeter of mercury. In view of this achievement, the Board of Education of the East China regional government together with a number of Shanghai business firms dealing in scientific equipment have made available a considerable sum of money to enable further study and experimentation, and also to equip a laboratory which will manufacture high-vacuum electronic tubes and X-ray tubes. An electrically operated apparatus for fusing and sealing vacuum tubes is already available. The vacuum pump used by Fang until now is one which has been lying unused in the university physics laboratory for about 15 years, that its, since before the beginning of the Sino-Japanese war.

The work which resulted in this achievement was stimulated by the patriotic resolve to liberate China from the effect of the US embargo against the export to China of articles that are of scientific and military importance. The tubes Fang has made may be used not only for theoretical demonstration purposes, but they also have great practical value in scientific techniques and in national defense. Besides his work on vacuum tubes, Fang is also engaged in work on making Geiger counters, which are so important in connection with a certain special branch of mining.

Fang, born about 1921, was a science student in Central University, Nanking at the time of the Japanese invasion in 1937. During the war, he served for about a year, in 1944, as an interpreter for US troops at K'un-ming, with whom he became involved in discord, and left. In 1946, he took up scientific work in the Communications University.

CHARACTERS

1. 方俊鑫

2. 交通大學

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